



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090357

Mode: Highway

Status: Submitted

US-117 ALT

From/Cross Street: US 70 Bypass

Specific Improvement Type: 1 - Widen Existing Roadway

To: SR 1306 (Fedelon Trail)

Project Category: Regional Impact

Length: 0.97

TIP#: U-2714

Fully Funded in Draft STIP? No

Cost to NCDOT: \$20,947,000

Description:

Widen Roadway and/Or Make Safety Improvements from SR 1306 (Fedelon Trail) to Proposed US 70 Bypass.

Division(s): Division 4

County(s): WAYNE

MPOS(s)/RPO(s): Goldsboro Urban Area MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 56.74

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (15%) 36.52	Percent: 15% Points: 100	Percent: 15% Points: 100
Safety (15%) 41.40		
Lane Width (10%) 75.00		
[Paved] Shoulder Width (10%) 75.00		
[Travel Time] Benefit/Cost (20%) 0.25		
Totals: Weight: 70% Weighted Score: 26.74		

Division Needs Total Score: 47.82

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (10%) 0.25	Percent: 25% Points: 0	Percent: 25% Points: 100
Congestion (V/C) (10%) 36.52		
Safety (10%) 41.40		
Lane Width (10%) 75.00		
[Paved] Shoulder Width (10%) 75.00		
Totals: Weight: 50% Weighted Score: 22.82		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	44
Length (miles):	0.97
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Level
Lane Width:	9
Paved Shoulder Width:	1
Roadway has Curb & Gutter?	No
Volume (AADT):	8700.55
Capacity:	15800.17
Volume/Capacity Ratio:	0.55
% Autos:	95%
% Trucks:	5%
Truck Volume:	460.06
Crash Density:	34.19
Crash Severity:	53.55
Critical Crash Rate:	36.48
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	21
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	76
Actual Congested Speed:	44
Travel Time Index:	1

Project Benefits

Project Cross-Section:	4B - 4 Lane Divided (23' Raised Median) with Paved Shoulders and Sidewalks
Speed Limit:	45
Length (miles):	0.97
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Minor Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	231160.84
Travel Time Savings for 30 Years (Autos):	218937.77
Travel Time Savings for 30 Years (Trucks):	12223.07
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 4

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT OnLine tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 4	100%	100	0
	0%	0	0
	0%	0	0
TOTAL Division Points		100	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Goldsboro Urban Area MPO	100%	100	100
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	100

Project Cost and Source

Construction Cost:	\$19,950,000	TIP Unit
Right-of-Way Cost:	\$890,000	Cost Estimation Tool
Utilities Cost:	\$107,000	Cost Estimation Tool
Total Project Cost:	\$20,947,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$20,947,000	